B.B.M.P

BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: KODIGEHALLI

Name of Work: Estimate for Improvements to Footpaths in Cross Roads of Kempapura in Ward No. 10, Kempapura.

Estimated Cost Rs. 30.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

AME OF WORK:- Improvements to Footpaths in Cross Roads of Kempapura in Ward No. 10, Kempapura.

Estimation Cost.Rs 3000000.00

Sl No	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
1	Removing and resetting of footpath slab (Approved arrival rate)	Sqm							
	Covering Slab Drain								
	Coffee Board Layout Park 13th main Road		1	500.00		2.00	1000.00		
	Basic rate	235.00							
	Sub Total	235.00							
	Total						**1000.00**	235.00	**235000.00**
2	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 Item No 1.4.1)	Cum							
	Drain Desilt								
	Coffee Board Layout Park 13th main Road		1	500.00	0.60	0.60	180.00		
	Basic rate	186.00							
	Area weightage 10%	18.60							
	Sub Total	204.60							
	Total						**180.00**	204.60	**36828.00**

	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 ,mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.4))**	Cum							
	Drain Vent Conrete								
	Coffee Board Layout Park 13th main Road		2	500.00	0.60	0.10	60.00		
							60.00		
	Consider 40% of Total Qty Vent Concrete						**24.00**		
	Issued Rate 07-07-2022 Basic rate	5728.00							
	Area weightage 10%	572.80							
	Sub Total	6300.80							
	Total						**24.00**	6300.80	**151219.00**
4	Removing and resetting of kerb stone (Approved arrival rate)	Mtrs							
	Coffee Board Layout Park 13th main Road		1	500.00			500.00		
							500.00		
	Consider 50% of Total Qty						**250.00**		
	Basic rate	129.80							
	Sub Total	129.80							
	Total						**250.00**	129.80	**32450.00**

	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol - I Pg 17 item no 2.4.2))	Cum							
	Coffee Board Layout Park 13th main Road		2	500.00	0.15	0.30	45.00		
	Issued Rate 07-07-2022 Basic rate	5968.00	✓						
	Add 5% for Shuttering	298.40							
		6266.40							
	Area weightage 10%	626.64							
	Sub Total	**6893.04**							
	Total						**45.00**	6893.04	**310187.00**
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol - III Pg 99 item no 13.1)								
	For Drain	Cum					45.00		
		kg	Steel assumed 60Kg/Cum of Concrete				0.06		
		tonne					**2.70**		
	Issued Rate 07-07-2022 Basic rate	92170.00	✓						
	Area weightage 10%	9217.00							
	Sub Total	**101387.00**							
	Total						**2.70**	101387.00	**273745.00**

	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
	Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete. (Data Rate)	Sqm							
	Missing Covering Slab								
	Coffee Board Layout Park 13th main Road		1	500.00	0.90		450.00		
							450.00		
	Consider 30% of Total Qty for Missing Slabs						**225.00**		
	Data rate	2337.00							
							225.00	2337.00	**525825.00**
8	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete (PWD SR 2021-22 Vol I Pg No. 7 Item No 1.11)	Cum							
	Pathway								
	5rh Cross RMV 2nd Stage		1	210.00	2.00	0.30	126.00		
	Deduction for Shouders								
	Basic rate	2177.00							
	Area weightage 10%	217.70							
	Sub Total	2394.70							
	Total						**126.00**	2394.70	**301732.00**
9	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications (PWD SR 2021-22 Vol II Pg No. 64 Item No 9.31)								
	Cobble Stones								
			1	210.00	2.00		420.00		

	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
	Basic rate	1087.00							
	Area weightage 10%	108.70							
	Sub Total	1195.70							
	Total						**420.00**	1195.70	**502194.00**
10	Supplying and fixing M15 grade precast cement concrete 600 x 300 x 150 mm Kerb Stone for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finsihed in line as per direction of Engineer in charge. (PWD SR 2021-22 Vol III Pg no 146 Item no 6.3)	Mtrs							
	Missing Kerb Stones								
	Coffee Board Layout Park 13th main Road		1	500.00			500.00		
							500.00		
	Consider 50% of Total Qty						**250.00**		
	Data rate	423.00							
	Area weightage 10%	42.30							
	Sub Total	465.30							
	Total						**250.00**	465.30	**116325.00**
11	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803 (PWD SR 2021-22 Vol III Pg no 56 Item No 8.10)	Sqm							
	Kerb Stone Painting								
	Coffee Board Layout Park 13th main Road		1	500.00		0.35	175.00		
	Basic rate	96.00							
	Area weightage 10%	9.60							
	Sub Total	105.60							
	Total						**175.00**	105.60	**18480.00**
12	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)	Cum							
	Qty Vide 90% of Item No- (2)						162.00		
	Total						**162.00**	81.40	**13187.00**
	Basic rate	74.00							
	Area Weightage 10%	7.40							
	Total	81.40							

Description of work	Unit	Mesurement				Qty.	Rate	Amount
		No.	L	B	D			
Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)	T.Km							
Qty frm Item No-12			162.00	1.28		207.36		
Total						**207.36**	115.50	**23950.00**
15Km 7*15	105.00							
Area Weightage 10%	10.50							
Total	115.50							
							Grand Total	**2541122.00**
							GST Charges (18% of Executed cost)	**457402.00**
							Miscellenious and rounding	**1476.00**
							Total Amount	**3000000.00**

Rupees Thirty Lakh(s) Only

CERTIFICATE:

1) The work spot has been inspected and found to be necessary.
2) The work spot comes under B.B.M.P Limits.
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of PWD 2021-2022, Issue rates and Data Rates.

Assistant Engineer
Ward No. 10, Kempapura

Assistant Executive Engineer
Kodigehalli Sub Division

Executive Engineer
Byatarayanapura Division

Administrative Approval
Accorded For Rs. 30.00 Lakhs
Head of A/C. P3726
CER NO : 148 ..... Dt: 16/9/22

TA

CE (YNG)

Technical Sanction
Accorded For Rs. 30.00 Lakhs
Head of A/C. P3726
CER NO : 148 ..... Dt: 16/9/22

TA

CE